U.S. Patent and Tradeg

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
Trader Office: U.S. DEPARTMENT OF COMMERCE Interest in Contains a valid OMB control number. pond to a collection of informa

Under the Paperwork Reduction Act of Substitute for form 1449A/PTO

INFORMATION DISCLOS STATEMENT BY APPLICAN

(use as many sheets as necessary)

of Sheet 1

Complete if Known				
Application Number	09/532,402			
Filing Date	3/22/00			
First Named Inventor	M. Kepler			
Group Art Unit .	2771			
Examiner Name	TBA			
Attomey Docket Number	41698-1021			

<u> </u>				U.S. PATENT DOC	UMENTS	
Examiner Initials*	Cite No.1	U.S. Patent Number	Document Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
\sim	<u> </u>	4,774,655	\ <u>\'</u>	Kollin et al.	10/1984	
ic		4,845,658		Gifford	12/1986	
10		5,369,763		Biles	5/1992	
て		5,511,186		Carhart et al.	11/1992	
		5,761,663		Lagarde et al.	5/1997	
L		-5,884,304		Davis, III et al.	11/1996	
h		6,018,733		Kirsch et al.	9/1997	
M		.6,023,696		Osborn et al.	10/1997	- CIVIEW
4		6,144,958		Ortega et al.	7/1998	DECEIVE
		5,859,972		Subramaniam et al.	5/1996	MAR 2 0 2002 Technology Center 2
Ä		:5,404,295		Katz et al.	4/4/95	MAR 2 1 2002
N		5,548,770		Bridges	8/20/96	Min.
K		5,600,831		Levy et al.	2/4/97	Cellici -
N		5,675,785		Hall et al.	10/7/97	Technology
		<u> </u>				10-
						
	i	l	į			

	FOREIGN PATENT DOCUMENTS									
Examiner Cite No.1	Foreign Patent Document			Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant				
		Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Document	nt Cited Document Passages	Passages or Relevant Figures Appear	T _e		
										
								╁		
						1		+		
		 								
					···	· -		—		
 							_	+		
\vdash					·			+		

Examiner	Waste LV	Date	11-08-07
Signature	17017	Considered	11-01-02

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

2

Sheet

Examiner

Signature

Approve
U. S. Patent and Tradema
no persons are required to respond to a collection of information. Under the Paperwork Reduction Act of 19 Substitute for form 1449B/PTO SUPPLEMENTAL INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

of

Complete if Known					
Application Number	09/532,402	3/	_		
Filing Date	3/22/00	/>	_		
First Named Inventor	M. Kepler				
Group Art Unit	2172				
Examiner Name	A. Ly		_		
Attorney Docket Number	41698-1021		_		

Examiner Bijals	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
# S S S S S S S S S S S S S S S S S S S	1	Database Catalog, "DIALOG", pp. 5-7 (1992).	
L	2	"An Architecture for Large Scale Information Systems", by David K. Gifford et al., MIT Laboratory for Computer Science, pp. 161-170 (1985) ACM-0-89791-174-1-12/85-0161.	
je_	3	"Discover: a resource discovery system based on content routing", by Mark A. Sheldon et al., Computer Networks and ISDN Systems 27, pp. 953-972 (1995).	
le	4	"An Adaptive Approach to Query Mediation Across Heterogeneous Information Sources", by Ling Liu et al., Dept. of Computing Science/University of Alberta and Dept. of Computer Science and Engineering/Oregon Graduate Institute, pp. 144-156 (1996) 0-8186-7505-5/96 IEEE.	
1	5	"Query Routing: Applying Systems Thinking to Internet Search", by Paul J. Leach et al., pp. 82-86 (1997) Microsoft Corporation, 0-8186-7834-8/97 IEEE.	
<u>Ju</u>	6	"MAGIC: A Multiattribute Declustering Mechanism for Multiprocessor Database Machines", by Shahram Ghandeharizadeh et al., pp. 509-524, IEEE Transactions on Parallel and Distributed Systems, Vol. 5, No. 5, May 1994.	
		RECEIVED	
		MAR 2 0 2002	
		Technology Center 2100	
	1		

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Date Considered 11-08-07

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside the ball Under the Paperwork

Approve U.S. Patent and Tradema ersons are required to respond to a collection of information

PTO/SB/08A (08-00) use through 10/31/2002. OMB 0651-0031 ce: U.S. DEPARTMENT OF COMMERCE is it contains a valid OMB control number.

Substitute for form 1479AFR	
SUPPLEMENTA	Ĺ
INFORMATION	DISCLOSURE
STATEMENT D	V ADDI ICANT
SIMICINICINIC	BY APPLICANT

(use as many sheets as necessary)

of 2 Sheet 1

Co	omplete if Known	
Application Number	09/532,402	
Filing Date	3/22/00	
First Named Inventor	M. Kepler	7
Group Art Unit	2172	7
Examiner Name	A. Ly	
Attorney Docket Number	41698-1021	

	U.S. PATENT DOCUMENTS								
Examiner Cite Initials No.1		U.S. Pater Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
						;			
						-OFN/ED			
					R	MAR 2 0 2002			
						MAR 2 0 2002			
				•		0400			
					Toch	nology Center 2100			
					1 DAI	1101031			
I									

				FORE	IGN PATENT DOCUMEN	rs		
Examiner	Cite		Foreign Patent Document			Date of Publication of	Pages, Columns, Lines, Where Relevant	
Initials	No.1	Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T6
		WO	99/16258			04/01/99		
							···	
		-				<u> </u>		-
						ļ	·····	-
		\vdash						-
i i		1 1		1 1		1 1		1 !

Examiner Signature	ANT UM	Date Considered	11-08-07
Signature		Considered	11.01-11

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Sheet

PTO/SB/08A (08-00)
Approved use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of

Complete if Known **Application Number** 09/532,402 3/22/00 **Filing Date** M. Kepler **First Named Inventor** Group Art Unit 2172 **Examiner Name** A. Ly Technology Center 2100

41698-1021

\$/						
X				U.S. PATENT DOCU	IMENTS	
Examiner Initials	Cite No.1	Number	ocument Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1		5,966,712		Sabatini et al.	05/1997	<u> </u>
1		5,454,105		Hatakeyama et al.	03/1993	
<u> </u>		6,289,339		Weber	02/1999	
10_		6,330,555		Weber	02/1999	
^		6,374,241		Lamburt et al.	03/1999	
	, í	5,903,636		Malik	10/1997	
ac		5,717,748		Sneed, Jr. et al.	10/1996	
			-		ļ	
			\dashv		ļ	
			\rightarrow		<u> </u>	
					ļ	
					 	
\vdash						
			\rightarrow			
					,	

Attorney Docket Number

FOREIGN PATENT DOCUMENTS										
Examiner Initials*	Cite No.1	Foreign Patent Document			Name of Patentee or	Date of Publication of	Pages, Columns, Lines,	T		
		Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	Ţ6		
								L		
								\perp		
		<u> </u>			-			┸		
		 				ļ		4_		
						ļ ļ		4_		
		╂				 		+		
		 	 :			+		╁		
		 				 		+		
$\overline{}$		 	<u> </u>	— -		+		╁		

	Examiner Signature	ANH LY	Date Considered	
--	-----------------------	--------	--------------------	--

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.